Name: Weekly Math Homework - 9 Teacher:

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| **Monday (wk 9)** | **Tuesday (wk 9)** | **Wednesday (wk 9)** | **Thursday (wk 9)** |
| Below is the data for the number of minutes Amy and Cory spent on homework for 6 nights.

|  |  |
| --- | --- |
| Amy | Cory |
| 60 | 25 |
| 45 | 40 |
| 60 | 30 |
| 30 | 45 |
| 30 | 40 |
| 25 | 30 |

On **average**, how much longer did Amy spend on homework than Cory? | Below is the data for the number of minutes Amy and Cory spent on homework for 6 nights.

|  |  |
| --- | --- |
| Amy | Cory |
| 60 | 25 |
| 45 | 40 |
| 60 | 30 |
| 30 | 45 |
| 30 | 40 |
| 25 | 30 |

What is the **range** for each? What is the difference in the ranges?  | Below is the data for the number of minutes Amy and Cory spent on homework for 6 nights.

|  |  |
| --- | --- |
| Amy | Cory |
| 60 | 25 |
| 45 | 40 |
| 60 | 30 |
| 30 | 45 |
| 30 | 40 |
| 25 | 30 |

What is the **median** for each? What is the difference in the 2 medians? | Below is the data for the number of minutes Amy and Cory spent on homework for 6 nights.

|  |  |
| --- | --- |
| Amy | Cory |
| 60 | 25 |
| 45 | 40 |
| 60 | 30 |
| 30 | 45 |
| 30 | 40 |
| 25 | 30 |

Use the data to make a **comparative inference** about the data. |
| Brooke has a bag of colored marbles. Inside, there are 4 green, 10 black, 5 yellow, 3 red, 7 brown, and 6 pink. Choose whether each statement is **true** or **false** and explain your reasoning.**A**. Brooke has a 1/7 chance of choosing yellow**.****B.** Brooke has a 1/6 chance of choosing a color that is NOT black. | Brooke has a bag of colored marbles. Inside, there are 4 green, 10 black, 5 yellow, 3 red, 7 brown, and 6 pink. Choose whether each statement is **true** or **false** and explain your reasoning..**A.** Brooke is more likely to choose black or red than yellow or pink.**B.** Brooke has a 2/7 chance of choosing red or brown. | Tom says that the probability of spinning a 6 is 1/4 because there are 4 sections. Is he correct? If not, what is the probability of spinning a 6? | What is the probability of rolling a 4 or more if the above die is rolled? |
| Which of the statements below could be represented by the expression -10 + (-4)? Write true or false.A. Kevin owes his mom $10 and owes his dad $4.B. Courtney earned $10 at her job, then spent $4 on a book. | Which of the statements below could be represented by the expression -5 + 9? Write true or false.A. Peter dove down 5 feet, then swam up 9 feet.B. Jennifer earned $5 at her job, then spent $9 on a concert. | Which of the statements below could be represented by the expression 8 + (-4)? Write true or false.A. Emily gained 8 pounds, then lost 4 poundsB. Alan scored 8 points in basketball Monday, then scored 4 points Tuesday. | Which of the statements below could be represented by the expression -15 -9? Write true or false.A. Frank spent $15 on a watch, then spent $9 on a shirt.B. Sandra earned $15 mowing her lawn, then spent $9 on a game. |
| Write the letter that corresponds to each value on the chart.A. 10 quarters and 15 dimesB. 25 nickels and 20 dimesC. 8 quarters and 25 pennies

|  |  |
| --- | --- |
| Less than$3.00 | Greater than$3.00 |
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 | Write the letter that corresponds to each value on the chart.A. 8 quarters and 7 dimesB. 35 nickels and 15 dimesC. 12 quarters and 55 pennies

|  |  |
| --- | --- |
| Less than$3.50 | Greater than$3.50 |
|  |  |
|  |  |
|  |  |

 | Write the letter that corresponds to each value on the chart.A. 15 quarters and 20 dimesB. 40 nickels and 25 dimesC. 10 quarters and 25 nickels

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| --- | --- |
| Less than$4.00 | Greater than$4.00 |
|  |  |
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|  |  |

 | Write the letter that corresponds to each value on the chart.A. 8 quarters and 15 dimesB. 40 nickels and 5 dimesC. 10 quarters and 65 pennies

|  |  |
| --- | --- |
| Less than$2.75 | Greater than$2.75 |
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| Which expressions have a sum of 0? **Show on a number line.**A. -4 + (-4)B. 6 + (-6) | Which expressions have a sum of 0? **Show on a number line.**A. 4 - (-4)B. -2 +2 | Which expressions have a sum of 0? **Show on a number line.**A. 3 + (-3)B. -5 + (-5) | Which expressions have a sum of 0? **Show on a number line.**A. -3 - (-3)B. 7 + (-7) |
| Which number makes this true? -3 + \_\_\_\_\_ = a positive number. A. -2B. 4 | Which number makes this true? -5 + \_\_\_\_\_ = a negative number.A. -2B. 6 | Which number makes this true? 4 + \_\_\_\_\_ = a negative number.A. -2B. -6 | Which number makes this true? -3 + \_\_\_\_\_ = a positive number.A. 2B. 5 |